

Internship Posting Date: Spring 2016
Internship ID #: 10002



Intern Application Deadline: Until Project Completion

New Jersey Department of Environmental Protection Internship Opportunity

Internship: ☒ Summer ☒ Fall Semester ☐ Winter Break ☒ Spring Semester

Internship Type: ☐ Co-op* ☒ Credit-Bearing* ☐ Non-credit

Internship Pay: ☒ Non- Paid ☐ Paid Pay Rate:

Intern Level: ☒ Graduate School ☒ Undergraduate

Suggested Background or Knowledge:

Environmental Science; Biology, Geology; and Chemistry, with a working knowledge of GIS and Excel software.

DEP Program Area and Work Unit Offering the Internship:

Division of Water Monitoring and Standards,
Bureau of Environmental Analysis Restoration and Standards (DWM - BEAR)

Internship Location:

401 East State Street, Trenton, NJ 08625

Internship Project Description:

These are ongoing projects that will require at least one intern per semester to complete.

The Bureau of Environmental Analysis Restoration and Standards provides internships on a semester basis to interns who have had coursework and proficiency in Geographic Information Systems and exposure to environmental science concepts. Because the bureau's mission is to develop technical tools and resources for water quality assessment, TMDL and standards development, watershed planning, protection and restoration, geographically located information is critical to developing a greater understanding of both existing data collections and of the effectiveness of various watershed restoration projects, as well as providing better tools for sharing this information with the public.

Projects that interns may work on include the following:

- Developing interactive story maps to better serve the public. These maps would link users to water quality data, assessment results and restoration activities and the associated documents and photos.
- 10 year data report for the New Jersey Watershed Ambassador Program

Intern responsibilities may include the following activities (depending upon the project):

- Reviewing and analyzing water quality, visual and biological assessment data
- Depicting and verifying restoration project locations;
- Analyzing pre- and post-construction water quality data from watershed restoration projects;
- Updating and creating GIS databases

* Co-op and Credit-Bearing Internships require approval of the internship by the student's Academic Department. The DEP Internship Sponsor has agreed to work with the student's Academic Department to provide a credit-worthy learning environment that benefits DEP goals. The student is responsible for all costs associated with receiving the credits from their educational institution.

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- Developing interactive maps;
- Limited field work as required.

More information about the Division of Water Monitoring and Standards can be found at
<http://www.nj.gov/dep/wms/>

Estimated Project Duration and Suggested Weekly Work Schedule:

Flexible – Commensurate w/ 3 or 4 credits

Internship Learning Objectives / Marketable Skills:

Ability to compile, assess and draw conclusions from data analysis.

Description of DEP Program Area/Work Unit Offering the Internship:

Division of Water Monitoring and Standards: provides water quality information to assess and manage New Jersey's water resources. This information is critical to knowing whether NJ's waters are safe to swim in, aquatic life is healthy, fish and shellfish are safe to eat, and contributes information on whether water sources are safe to use for drinking water.

The Bureau of Environmental Analysis, Restoration and Standards (BEARS) The Bureau of Environmental Analysis, Restoration and Standards (BEARS) is responsible for: performing water quality assessments of all waters of the State, determining the pollutant reductions needed for restoration of water quality, through the development and implementation of Total Maximum Daily Loads (TMDLs) or watershed restoration plans; the development, adoption, and administration of NJ's Surface Water Quality Standards and NJ Ground Water Quality Standards. BEARS is also responsible for administering the CWA Section 319(h) Nonpoint Source Pollution Control grant program and the AmeriCorps New Jersey Watershed Ambassadors Program, which is a community-oriented AmeriCorps environmental program designed to raise public awareness about watershed issues and promote watershed stewardship through hands-on experience.

Internship Sponsor:

Kimberly Cenno, Section Chief or Patricia Ingelido, Environmental Specialist 3

***For credit-bearing internships only:**

Sponsor Phone Number: (609) 633-1441

Email: kimberly.cenno@dep.nj.gov or patricia.ingelido@dep.nj.gov

Please Respond With a Completed Application Form, Resume, and Cover Letter to:

New Jersey Department of Environmental Protection / Division of Human Resources

Attn: Internship Program

Email Address: Melissa.pocino@dep.nj.gov

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